

Abstract

A subcultivable, established microglia having the following properties. (a) Form: Both or either of a macrophage-like or spherical form in the presence of a granulocyte-macrophage colony stimulation factor and a branched form similar to branched microglia present in the brain in the absence of the factor. (b) Functional characteristics: specific affinity for the brain highly poor phagocytic action. (c) Cell proliferation: proliferative depending upon a granulocyte-macrophage colony stimulation factor. Preparation, separation, and screening methods of the microglia, a pharmaceutical composition using the microglia, and a method for treatment of cerebral diseases using the composition.